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**From:** William Simon  
**Sent:** Mon 2/9/2015 7:01:07 PM  
**Subject:** RE: Extra sampling for March/April?

**From:** Richardson, Lisa [mailto:lrichard@blm.gov]  
**Sent:** Monday, February 09, 2015 11:12 AM  
**To:** Brent Lewis; Wall, Dan; Schmittiel, Paula; Way, Steven; Peter Butler; [REDACTED] net; Steve Fearn; Kirstin.Brown@state.co.us; fpope@bresnan.net; Barb Horn  
**Subject:** Extra sampling for March/April?

Happy Monday, All,

Wondering if there is interest/\$ out there for replicating the same extra data that Buck and I worked on last year to catch the flush and pre-flush. We took many additional Riverwatch samples (including diurnal) at A55 and A68 for 6 weeks in March and April, and I believe Dan made the graphs from that data. We are coming up on the time when we need to plan this if we do want it. Buck and I have talked about it and we are happy to grab and process the samples. Peter Butler and I have also talked about it and he is not so sure it is really necessary but is thinking on it.

Questions:

~Sippers should capture this same info, assuming they work correctly and are there for retrieval. But, what if they don't? WHAT IF?

~Is there \$ for this? I WOULD THINK EPA WILL BE THE BENEFACITOR. WILL THEY FUND IT?

~Is there additional data that could make this more meaningful? Happy to get it. ONE COULD ALWAYS BE MORE THOROUGH. IT WOULD BE NICE TO BRACKET EUREKA GULCH FROM ANIMAS INFLOWS TO EUREKA BUT THEN ONE WOULD NEED TO BRACKET MAGIE, MINIE, AND CUNNINGHAM TOO. THEN ONE COULD ATTRIBUTE ANY INCREASE TO THOSE SOURCES OR THE TAILINGS WHICH ARE THROUGHOUT THE FLOODPLAIN. GETS COMPLICATED AND EXPENSIVE. PREVIOUS HIGH/LOW SAMPLING HAS DONE THIS AS HAS PREVIOUS TRACERS. WHAT DOES EPA WANT AND NEED? WE CERTAINLY DON'T WANT TO DUPLICATE WHAT THEY FEEL THEY MUST DO ANYWAY.

~If it would be more helpful for data to meet EPA critiria and EPA wants to pay for it, could we use same process I am using for Q&A samples?

~We are on a serious warming trend. We only had one cold snap this year at the very earliest part of the winter. Is pre-flush going to happen earlier this year? Who knows but worth thinking about. IT LOOKS TO ME THAT SUBLIMATION HAS BEATEN OUT RUNOFF THIS YEAR—UNLESS WE GET GOBS OF SPRING SNOW. IF WE DID GET SPRING SNOW IT WOULD BE MORE LIKE A RUNOFF EVENT RATHER THAN SPRING HIGH FLOW.

So I am good with doing these samples or not but I did want all to ponder. PONDERING

Thanks.

Lisa

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